TEAC

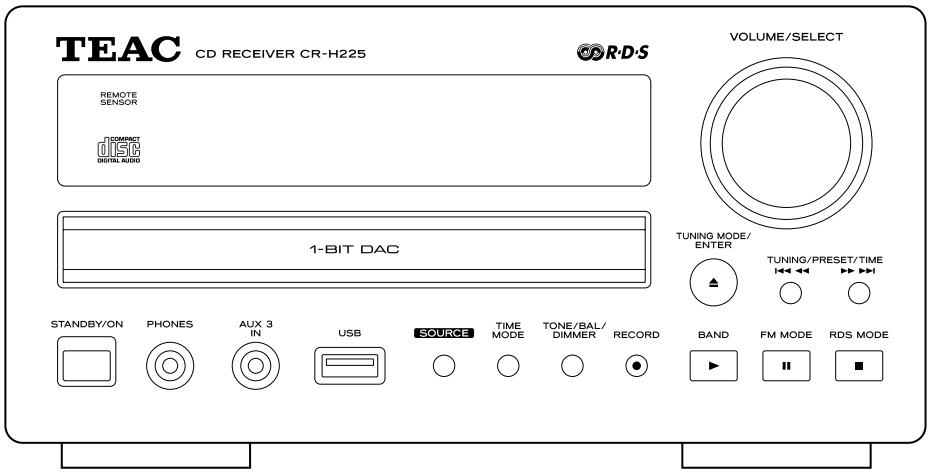
9A10355400

CR-H225

COMPACT disc DIGITAL AUDIO

CD/Receiver

OWNER'S MANUAL



Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.

2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

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Thanks you for choosing TEAC. Read this manual carefully to get the best performance from this unit.

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Read this before operation

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation.
- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.
- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- Do not place the unit on an amplifier/receiver.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the set, contact your dealer or service agency.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.
- To keep the laser pickup clean, do not touch it, and do not forget to close the disc tray when not using the CD player.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

DO NOT MOVE THE UNIT DURING PLAYBACK

During playback, the disc rotates at high speed. Do NOT lift or move the unit during playback. Doing so may damage the disc.

WHEN MOVING THIS UNIT

When changing places of installation or packing the unit for moving, be sure to remove the disc and return the disc table to its original position in the player. Then, press the power switch to turn the power off, and disconnect the power cord. Moving this unit with the disc loaded may result in damage to this unit.

Maintenance

If the surface of the unit gets dirty, wipe with a soft cloth or use diluted neutral cleaning liquid. Be sure to remove any fluid completely. Do not use thinner, benzine or alcohol as they may damage the surface of the unit.

Beware of condensation

When the unit (or a disc) is moved from a cold to a warm place, or used after a sudden temperature change, there is a danger of condensation; vapor in the air could condense on the internal mechanism, making correct operation impossible. To prevent this, or if this occurs, leave the unit for one or two hours with the power turned on. The unit will stabilize at the temperature of its surroundings.

CAUTION

The product shall not be exposed to dripping or splashing and that no object filled with liquids, such as vases, shall be placed on the product.

Do not install this equipment in a confined space such as a book case or similar unit.

Compact Disc

Discs which can be played on this unit:

- Conventional audio CDs bearing the CD-DA logo on the label:

- Properly finalized CD-R and CD-RW discs

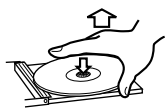
Note:

- Depending on the quality of the disc and/or the condition of the recording, some CD-R/CD-RW discs may not be playable.

- Copy-protected discs and other discs which do not conform to the CD standard may not play back correctly in this player. If you use such discs in this unit, TEAC Corporation and its subsidiaries cannot be responsible for any consequences or guarantee the quality of reproduction. If you experience problems with such non-standard discs, you should contact the producers of the disc.

- Always place the disc on the disc tray with the label side uppermost. (Compact discs can be played or recorded only on one side.)

- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.



How to remove the disc

How to hold the disc

- Should the disc become dirty, wipe the surface radially (from the center hole outward towards the outer edge) with a soft, dry cloth:

- Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean the discs. Such chemicals will do irreparable damage to the disc's plastic surface.

- Discs should be returned to their cases after use to avoid dust and scratches that could cause the laser pickup to 'skip'.

- Do not expose discs to direct sunlight or high humidity and temperature for extended periods. Long exposure to high temperatures will warp the disc.

- Do not play any disc that is warped, deformed or damaged. Playing such discs may cause irreparable harm to the playing mechanisms.

- CD-R and CD-RW discs are more sensitive to the effects of heat and ultraviolet rays than ordinary CDs. It is important that they are not stored in a location where direct sunlight will fall on them, and which is away from sources of heat such as radiators or heat-generating electrical devices.

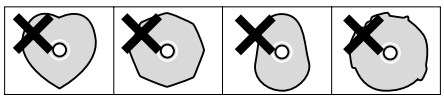
- Printable CD-R and CD-RW discs aren't recommended, as the label side might be sticky and damage the unit.

- Do not stick papers or protective sheets on the discs and do not use any protective coating spray.

- Use a soft oil-based felt-tipped pen to write the information on the label side. Never use a ball-point or hard-tipped pen, as this may cause damage to the recorded side.

- Never use a stabilizer. Using commercially available CD stabilizers with this unit will damage the mechanisms and cause them to malfunction.

- Do not use irregular shape CDs (octagonal, heart shaped, business card size, etc.). CDs of this sort can damage the unit:



- If you are in any doubt as to the care and handling of a CD-R/CD-RW disc, read the precautions supplied with the disc, or contact the disc manufacturer directly.

MP3 and WMA

- This unit can play MP3 and WMA files recorded on a CD-R, CD-RW or USB storage device.
- File names of MP3 or WMA should be alphanumeric characters. This unit cannot display symbols and full-size or double-byte characters (such as Japanese, Chinese, etc.) correctly. Also, be sure to use the file extension. ('.mp3' for MP3 files, '.wma' for WMA files.)
- MP3 files are mono or stereo MPEG-1 Audio Layer 3 format. This unit can play MP3 files with sampling frequency 44.1 kHz or 48 kHz, bit-rate320 kbps or less.
- This unit can play WMA files with sampling frequency 44.1 kHz, bit-rate 192 kbps or less.
  WMA means Windows Media Audio.
- Audio encoded at 128 Kbps should sound close to regular audio CD quality. Although this player will play lower bit-rate MP3 tracks, the sound quality becomes noticeably worse at lower bit-rates.

Discs

- The disc must be finalized in order to play.
- The CD-ROM must be ISO 9660 compatible.
- When more than 255 files are recorded on the disc, the unit might not be able to play it correctly.

USB

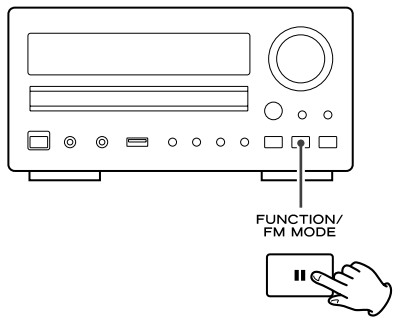
- This unit supports USB 1.1 FULL SPEED (12Mbps).
- This unit can play MP3 files recorded in various external USB storage devices such as USB flash memory, MP3 player or HDD.
  The HDD must be formatted FAT 16 or FAT 32, but not NTFS.
- When more than 2000 files are recorded on the USB memory, the unit might not be able to play it correctly.

How to Reset the Settings to the Factory Defaults

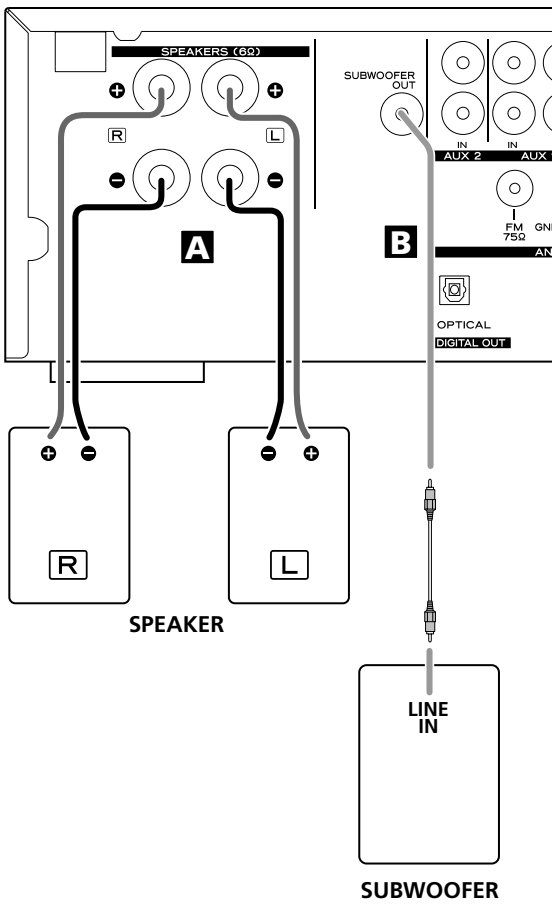
If the power supply is interrupted for 14 days or longer, all the settings kept in memory (such as preset stations and timer settings) will be erased.

It will take more than 3 days after plugging the power cord into the outlet to charge enough electricity for the memory backup function.

If you want to manually initialize the settings, hold down the FUNCTION/FM MODE button for more than 4 seconds in stanby mode.



The unit will be turned on, and all the settings are reset to the default settings.



CAUTION

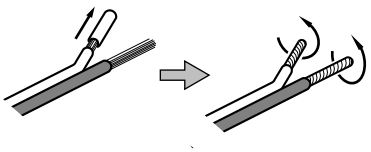
- Turn off the power of all the equipment before making connections.
- Read instructions of each component you intend to use with this unit.
- Be sure to insert each plug securely. To prevent hum and noise, do not bundle the connection cords with the power cord or speaker cord.

A Speaker Connections

Caution:

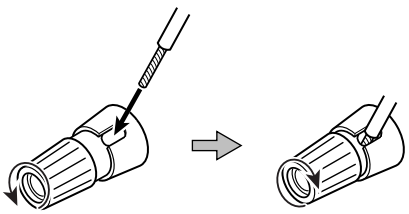
- To avoid damaging the speakers by a sudden high-level signal, be sure to switch the power off before connecting the speakers.
- Check the impedance of your speakers. Connect speaker with an impedance of 6 ohms or more.

- The amplifier's red speaker terminals are the ⊕ (positive) terminals and the black terminals are the ⊖ (negative) terminals.
  The ⊕ side of the speaker cable is marked to make it distinguishable from the negative side of the cable. Connect this marked side to the red ⊕ terminal and the unmarked side to the black ⊖ terminal.
- Prepare the speaker cords for connection by stripping off approximately 10 mm or less (no more as this could cause a short-circuit) of the outer insulation. Twist the wires tightly together to avoid tangles:



How to connect

1. Turn the terminal cap counterclockwise to loosen it. The speaker terminal caps cannot be fully removed from the base.
2. Insert the wire into the terminal fully and turn the terminal cap clockwise to securely connect it:

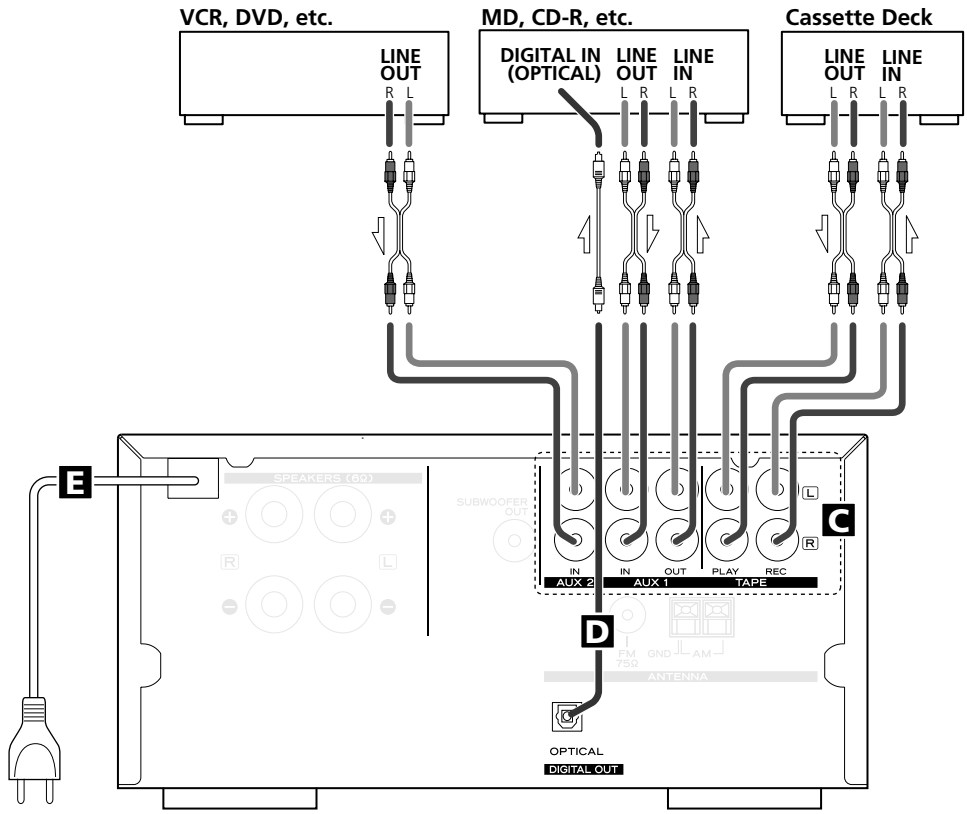


3. Make sure it is fastened firm by pulling the cable lightly.

B SUBWOOFER OUT jack

Connect a commercially available powered subwoofer.

- Subwoofer output will not be cut off, when the headphone jack is inserted.



C TAPE/AUX jacks

Make sure to connect:

white plug → white jack (L: left channel)
red plug → red jack (R: right channel)

- Be sure to insert each plug securely. To prevent hum and noise, do not bundle the connection cords with the power cord or speaker cord.

D DIGITAL OUT terminal

Connect the component with an optical cable.

DIGITAL OUT → DIGITAL IN (MD, etc.)

- When inserting the plug of the optical cable, the protective shutter of the terminal will open and you should hear it click into position when fully inserted. Be careful that you do not force the plug, because this could result in damage to the protective shutter, the cable, or the unit itself.

E AC Power Cord

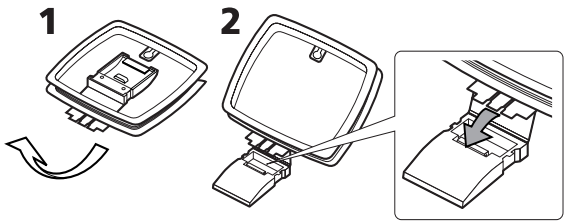
Plug this AC power cord into an AC wall socket.

Connecting Antennas (AM/FM)

AM Indoor Loop Antenna

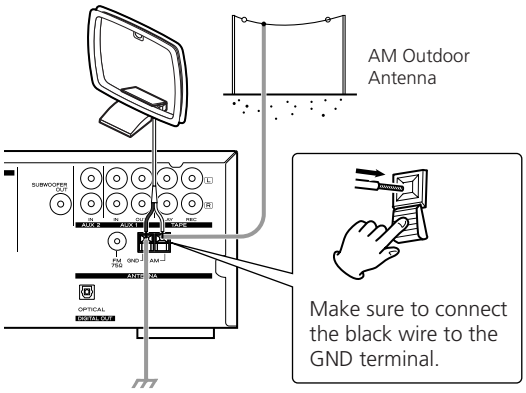
The high-performance AM loop antenna provided with this unit is sufficient for good reception in most areas.

To stand the loop antenna on a surface, fix the claw to the slot in the antenna base.



Connect the loop antenna's wires to the AM antenna terminals.

Place the antenna on a shelf or hang it on a window frame, etc., in the direction which gives the best reception. Keep all other wires such as power cords, speaker wires or interconnect wires as far away as possible from the antenna.



- If the AM loop antenna provided does not deliver sufficient reception (often due to being too far from the transmitter or in a concrete building, etc.), it may be necessary to use an outdoor AM antenna. Use either a high quality commercial AM antenna or, if not available, an insulated wire more than 5 m long, strip one end, and connect this to the terminal as shown.

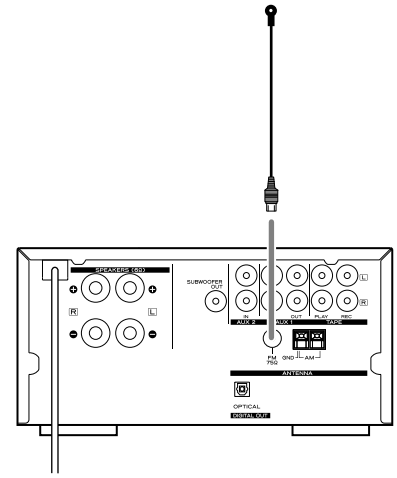
  The antenna wire should be strung outdoors or indoors near a window. For better reception, connect the GND terminal to a reliable ground.

Note:

Even when using an outdoor AM antenna, do not disconnect the AM loop antenna.

FM Indoor Antenna

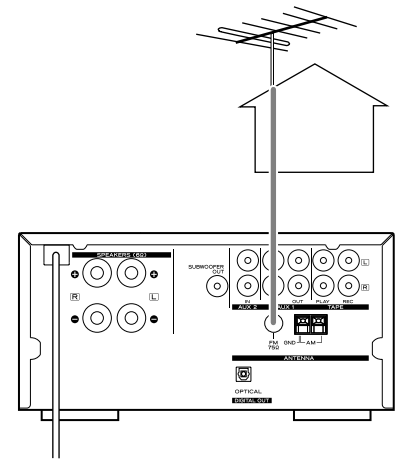
Connect the lead-type FM antenna to the FM 75Ω socket, extend the lead and tune the tuner to your favorite station (see page 25). Adjust the antenna in a suitable location like a window frame or wall until the reception is best and then affix the antenna in that position using thumb tacks, push pins or any other suitable means.



FM Outdoor Antenna

In an area where FM signals are weak, it will be necessary to use an outdoor FM antenna. Generally, a 3-element antenna will be sufficient; if you live in an area where the FM signals are particularly weak, it may be necessary to use one with 5 or more elements.

- Disconnect the FM indoor antenna when using an outdoor antenna.



Remote Control Unit

The provided Remote Control Unit allows the unit to be operated from a distance.
When operating the remote control unit, point it towards the REMOTE SENSOR on the front panel of the unit.

- Even if the remote control unit is operated within the effective range, remote control operation may be impossible if there are any obstacles between the unit and the remote control.

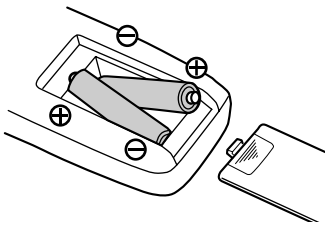
- If the remote control unit is operated near other appliances which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, it may operate incorrectly. Conversely, the other appliances may operate incorrectly.

Battery Installation

1. Remove the battery compartment cover.

2. Insert two 'AAA' dry batteries. Make sure that the batteries are inserted with their positive '⊕' and negative '⊖' poles positioned correctly.

3. Close the cover.



Battery Replacement

If the distance required between the remote control unit and main unit decreases, the batteries are exhausted. In this case replace the batteries with new ones.

Precautions concerning batteries

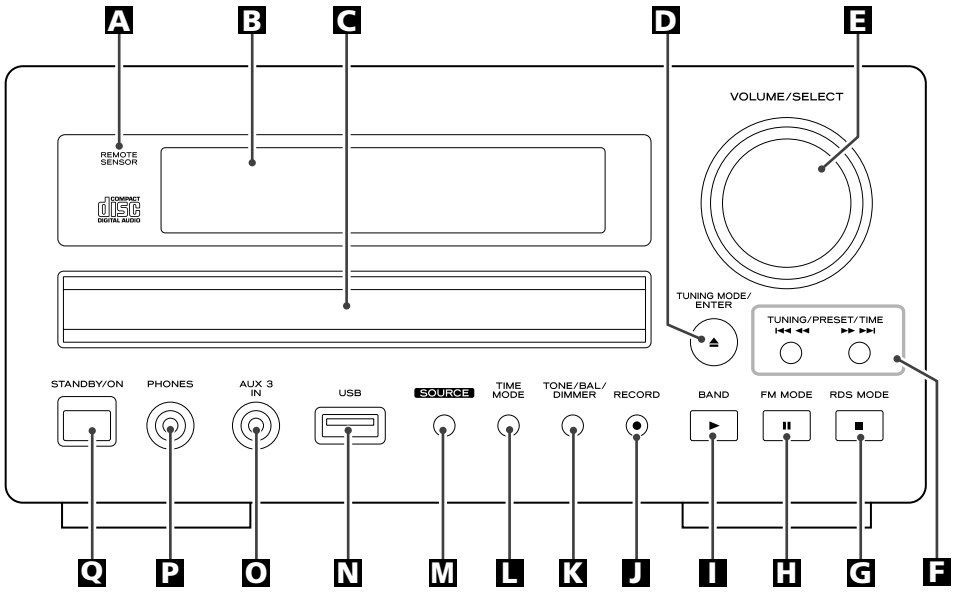
- Be sure to insert the batteries with correct positive '⊕' and negative '⊖' polarities.

- Use batteries of the same type. Never use different types of batteries together.

- Rechargeable and non-rechargeable batteries can be used. Refer to the precautions on their labels.

- When the remote control unit is not to be used for a long time (more than a month), remove the batteries from the remote control unit to prevent them from leaking. If they leak, wipe away the liquid inside the battery compartment and replace the batteries with new ones.

- Do not heat or disassemble batteries and never dispose of old batteries by throwing them in a fire.



A Remote Sensor

When operating the remote control unit, point it towards the remote sensor.

B Display

C Disc tray

D OPEN/CLOSE (⏏), TUNING MODE, ENTER

In CD mode, use this button to open and close the disc tray.

In FM or AM mode, use this button to select the tuning mode.

While setting the timer or the clock, use this button to set the time.

E VOLUME, SELECT

Turn this knob to adjust the volume.

Turn this knob to adjust the tone, balance and dimmer together with the TONE/BAL/DIMMER button.

F SKIP (⏮ ◀◀ / ▶▶ ⏭), TUNING, PRESET, TIME

In CD mode or USB mode, use these buttons to skip tracks.

In TUNER mode, use these buttons to tune in stations or select the preset stations.

While setting the clock or the timer, use these buttons to adjust the time.

G STOP (■), INFO, RDS MODE, CLEAR

In CD mode or USB mode, use this button to stop playback.

In FM mode, this button is used to select the RDS mode.

Use this button also to cancel information entry or modes.

H PAUSE (❚❚), FUNCTION, FM MODE

In CD mode or USB mode, use this button to pause playback.

In FM mode, use this button to select stereo or monaural.

I PLAY (►), BAND

In CD mode or USB mode, use this button to start playback.

In TUNER mode, use this button to select FM or AM.

J RECORD

Use this button to start recording to a USB device.

K TONE, BAL, DIMMER

Use this button to adjust the tone, balance and dimmer together with the VOLUME/SELECT knob.

L TIME MODE

Use this button to adjust the clock and to set a timer.

M SOURCE

Use this button to select a source.

N USB Jack

Use to connect the external USB storage device to the unit.

O AUX 3 IN Jack

Use to connect the output of an external source.

P PHONES

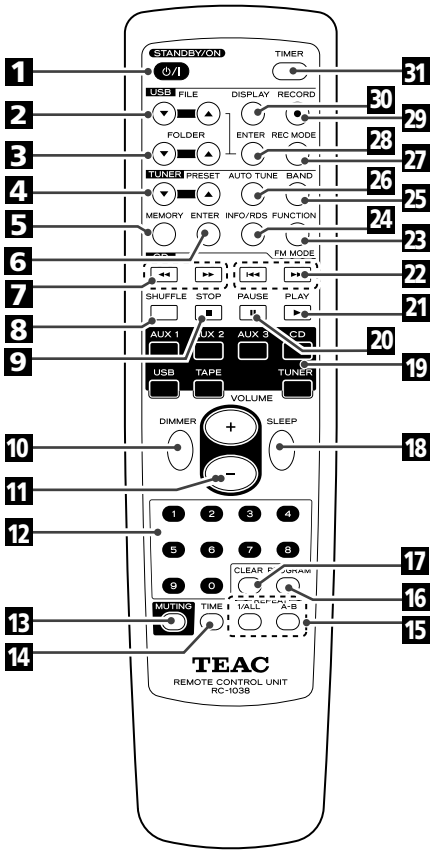
For private listening, insert the headphones plug into this jack, and adjust the volume by turning the VOLUME/SELECT knob.

Q STANDBY/ON

Press this button to turn the unit on or standby. The standby indicator surrounding the STANBY/ON button lights when the unit is in the standby mode. When the unit is turned on, it goes off.

The equipment draws nominal non-operating power from the AC outlet with its STANDBY/ON switch in the STANDBY position.

Names of Each Control 2



1 STANDBY/ON

Press this button to turn the unit on or standby.

2 FILE (▼,▲)

Use these buttons to select a file of MP3/WMA.

3 FOLDER (▼,▲)

Use these buttons to select a folder of MP3/WMA.

4 PRESET (▼,▲)

In TUNER mode, use these buttons to select the preset stations.

5 MEMORY

In TUNER mode, press this button to put the presently tuned-in station in memory.

In TUNER mode, press and hold for 3 seconds to place the stations in memory automatically.

6 ENTER (TUNER)

This button is not available for this unit.

7 SEARCH (◄◄/►►)

During playback of CD or USB, use these buttons to search the part you want to listen to.

8 SHUFFLE

In CD mode or USB mode, use this button to enter the shuffle playback mode.

9 STOP

In CD mode or USB mode, use this button to stop playback.

10 DIMMER

Use this button to dim the display.

11 VOLUME

Use these buttons to adjust the volume.

12 Numeric buttons

Use these buttons to select a track number or a preset channel.

Press the CD, USB or TUNER button to select the mode, and then press the numeric buttons.

For instance, to select track number 35, first press the CD button, and then press '3' and '5'.

- When you use the numeric buttons, press the input selector button of the remote control first.

13 MUTING

Use this button to mute the sound.

14 TIME

During audio CD playback, use this button to change the time display.

15 REPEAT A-B

Use this button to set the point for A-B repeat.

REPEAT 1/ALL

Use this button to select the repeat mode.

16 PROGRAM

In CD mode or USB mode, use this button to enter the program mode. In program mode, use this button to enter the selection.

17 CLEAR

Use this button to clear a program.
In the USB mode, use this button to delete recorded files.

18 SLEEP

Use this button to set the sleep timer.

19 Input selector

Use these buttons to select a source.

20 PAUSE (❚❚)

In CD mode or USB mode, use this button to pause playback.

21 PLAY (►)

In CD mode or USB mode, use this button to start playback.

22 SKIP (I◄◄ / ►►I)

In CD mode or USB mode, use these buttons to skip tracks.

23 FUNCTION, FM MODE

In FM mode, use this button to select stereo or monaural.

24 INFO/RDS

In FM mode, this button is used to select the RDS mode.

25 BAND

In TUNER mode, use this button to select FM or AM.

26 AUTO TUNE

This button is not available for this unit.

27 REC MODE

In USB mode, use this button to select Record mode.

28 ENTER (USB)

In USB mode or CD (MP3, WMA disc) mode, use this button to enter the selection.

29 RECORD

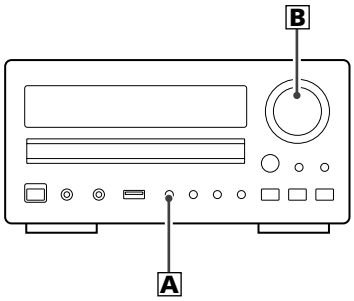
Use this button to start normal recording.
This function is not available in USB mode.

30 DISPLAY

During MP3/WMA playback, use this button to bring up the display.

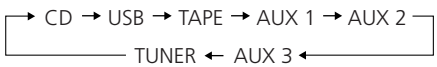
31 TIMER

Use this button to turn on or off the timer function.
After setting the timer, press this button once more to set USB timer recording.
One minute before the set time the unit turns on and recording begins at the set time.



A How to select SOURCE

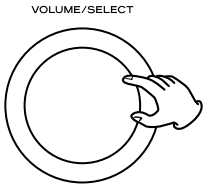
Every time the SOURCE button is pressed, the mode is changed as follows:



Or press the CD, USB, TAPE, AUX 1/2/3 or TUNER button on the remote control to select the source directly.

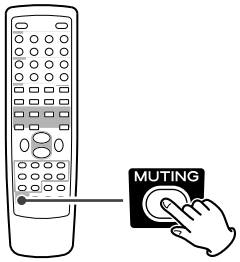
B Adjust the volume

To protect speakers from a sudden high-level signal, gradually turn up the volume to the required level with the VOLUME knob.



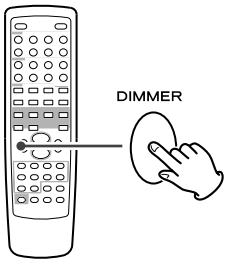
C Muting

To cut the sound temporarily, press the MUTING button. To cancel muting, press the MUTING button again or change the volume setting.



D Dimmer

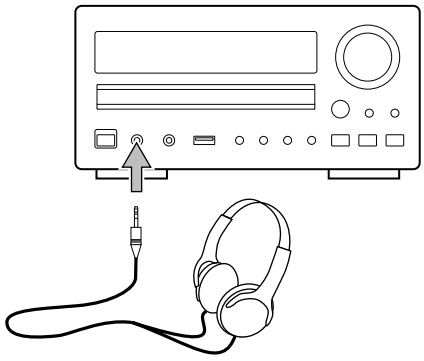
Press the DIMMER button to dim the display.
Press the button again to cancel the dimmer function.



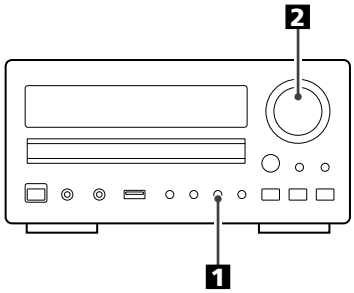
- This function will be cancelled when the unit is turned off.
- You can also adjust the dimmer on the front panel control (see next page).

E Listening through headphones

Insert the headphone plug into the PHONES jack, and adjust the volume. The sound from speakers will be cut off.



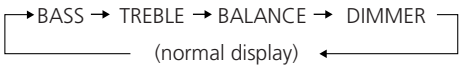
- Subwoofer output will not be cut off, when the headphone jack is inserted.



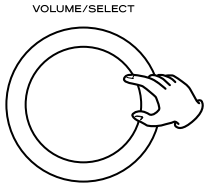
How to adjust TONE/BALANCE/DIMMER

1 Press the TONE/BAL/DIMMER button.

Each time the TONE/BAL/DIMMER button is pressed, the mode is changed as follows:

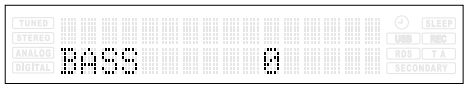


2 Within 3 seconds, turn the VOLUME/SELECT knob to change the setting.



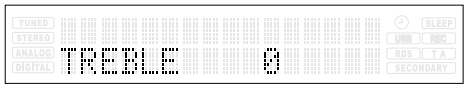
Bass control

This control is used for adjusting the level of the low frequency sound range.



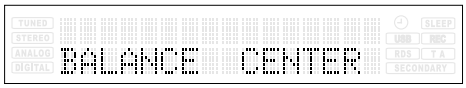
Treble control

This control is used for adjusting the level of the high frequency sound range.



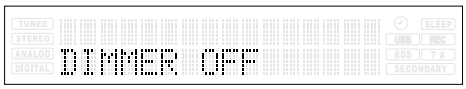
Balance control

This control is used for adjusting balance of the volume level between the left and right channels.



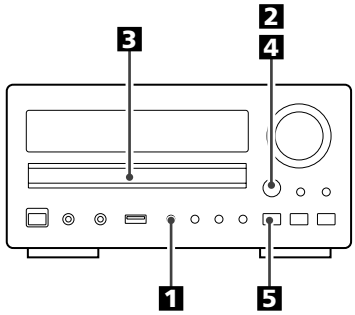
Dimmer control

This control can be used to dim the display panel or to return it to normal.



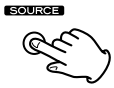
- You can also adjust the dimmer using the remote control (see previous page).

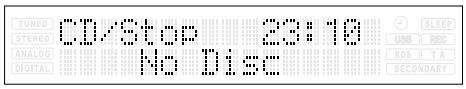
Listening to CD/MP3/WMA (discs)



1 Press the SOURCE button repeatedly to select 'CD'.

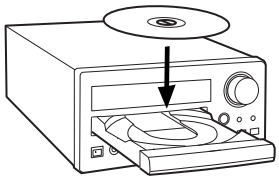
'No Disc' will be displayed if no disc is set.





2 Press the OPEN/CLOSE button (⏏).

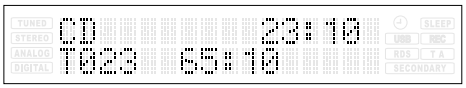
3 Place a disc on a tray with the printed surface up.



4 Press the OPEN/CLOSE button (⏏) to close the tray.

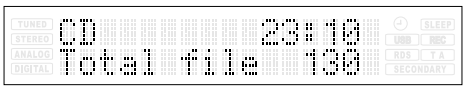
(Audio CD)

The total number of the tracks and total play time of the disc is displayed.



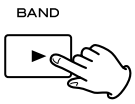
(MP3/WMA disc)

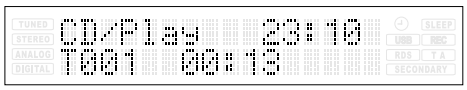
The total number of files of the disc is displayed.



5 Press the PLAY button (►).

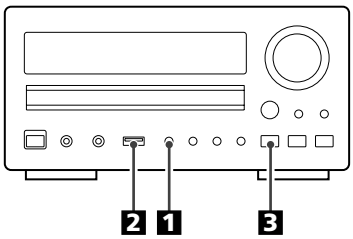
Playback starts from the first track/file.





- When a disc is on the disc tray, selecting the CD mode will start playback.
- If the source is set to 'CD', the unit will automatically start playback when you turn on the unit next time.
- File types that can be played on this unit: MP3, WMA

Listening to a USB device



You can play MP3/WMA files by connecting various external USB storage devices such as USB flash memory.

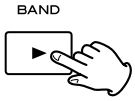
1 Select USB function by pressing the SOURCE button repeatedly.

'Not connected' will be displayed if no USB device is connected.

2 Connect the external USB storage device to the unit.

When an HDD device is connected to this unit, it may take several minutes to display the number of files.

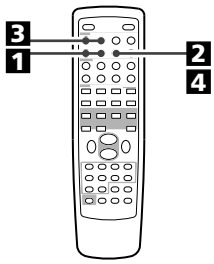
3 Press the PLAY button (►).



How to disconnect USB

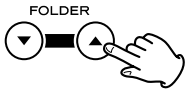
Hold down the TIME MODE button for more than 4 seconds until 'Pls, remove USB' blinks on the display and then disconnect the USB device.

Search



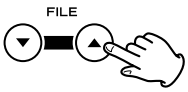
You can select a desired directory and an MP3 or WMA file during playback or when stopped.

1 Press the FOLDER buttons (▼/▲) to select a directory.



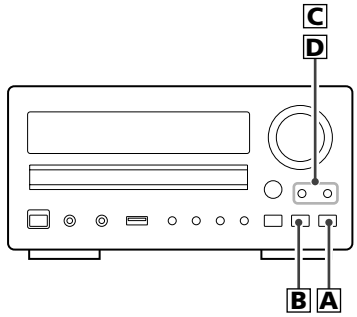
2 Press the ENTER button.

3 If you want to select a file, press the FILE buttons (▼/▲).



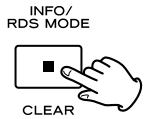
- The selection moves within the directory.

4 Press the ENTER button.



A To stop playback

Press the STOP button (■) to stop playback.



B To suspend playback temporarily (pause mode)

Press the PAUSE button (❚❚). Playback stops at the current position.

To resume playback, press the PLAY button (►) or PAUSE button (❚❚).

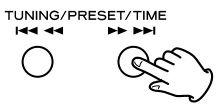
C To skip to the next or a previous track/file

Press the ⏮ ◄◄ or ►► ⏭ button several times until the desired track/file is found. The selected track/file will be played from the beginning.

On the remote control press the ⏮ or ⏭ button.

- When the ⏮ ◄◄ button is pressed once during playback, the track/file being played will be played from the beginning.

  To return to the beginning of the previous track/file, press the ⏮ ◄◄ button twice.



D Search for a part of a track/file

During playback, hold down the ⏮ ◄◄ or ►► ⏭ button and release it when the part you want to listen to is found.

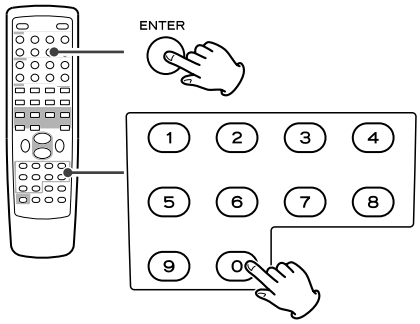
On the remote control use the ◄◄ or ►► button.

E Direct Playback

While in stop or playback mode, you can use the numeric buttons of the remote control to select a track/file.

- When you use the numeric buttons, press the input selector button of the remote control first.

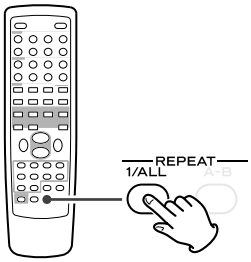
Press the numeric buttons to select a track/file. Playback starts from the selected track/file.



For instance, to select track/file number 35, press '3', '5'.

To select numbers less than 10, press the number and then the ENTER button. As an example, to select number 5, press '5' and the ENTER button. (Optionally, you may press just the number '5' and then wait a few seconds.)

Repeat Playback



Every time the REPEAT 1/ALL button is pressed, the mode is changed as follows:

Repeat 1
↓
RPT Folder
(Only USB, MP3/WMA disc)
↓
Repeat All
↓
Play (Repeat Off)

Repeat One Track [Repeat 1]

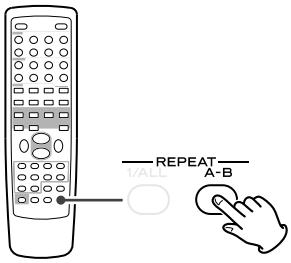
The track/file being played will be played repeatedly. If you select another track/file in Repeat 1 mode, the track/file you selected will be played repeatedly.

Repeat Folder [RPT Folder] (Only USB, MP3/WMA disc)

All the tracks or files in the folder will be played repeatedly.

Repeat All

All the tracks or files will be played repeatedly.



Repeat A-B

This function allows repeat playback of any desired portion of the disc.

1 Designate the point at which repeat playback should start by pressing the A-B button.

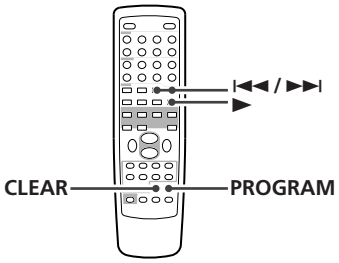
'Repeat A-' lights up and 'B' blinks.

2 When the point at which repeat playback should end is reached, press the A-B button again.

'Repeat A-B' lights up.
The designated point with A-B button will be played back repeatedly.

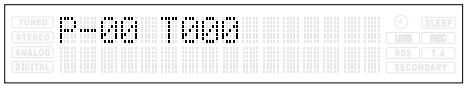
- To return to normal play, press A-B button until 'Repeat A-B' disappears from the display.
- It must be more than 3 seconds between A and B.

Programmed Playback

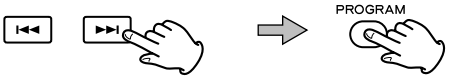


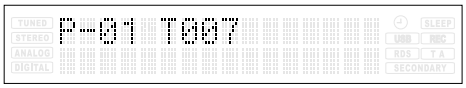
- This function allows you to program up to 32 tracks or files for playback in any desired order.

1 Press the PROGRAM button in the stop mode.



2 Select the desired track or file by pressing the I◄◄ or ►►I button and press the PROGRAM button to enter.





Repeat this step to store other tracks.

- If you attempt to program more than 32 tracks or files, 'P-FULL' is displayed and no more can be programmed.

3 Press the PLAY button (►) to start programmed playback.

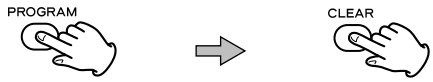
- The programmed contents for audio CDs are not lost even if the unit is turned off, but they are lost when the disc tray is opened or the USB device is disconnected.
- The unit will stop automatically when the playback of all the programmed contents is finished, and the program contents disappears from the display, but they are not lost.
- To start program playback again, press the PROGRAM button and the PLAY button (►).

To check the programmed order

Press the PROGRAM button repeatedly in the stop mode. The track/file number and program number will be shown on the display.

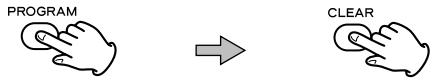
To delete a track/file from the program

In the stop mode, press the PROGRAM button repeatedly until the program number to be deleted appears on the display, then press the CLEAR button. The selected track/file is deleted from the program.



To clear the program

1. In the stop mode, press the PROGRAM button.
2. Hold down the CLEAR button for more than 4 seconds.



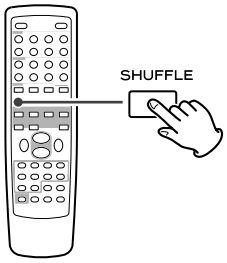
- If the OPEN/CLOSE button (⏏) is pressed, the programmed contents will also be cleared.

To add a track/file to the program

In the stop mode, press the PROGRAM button repeatedly until the program number you want to insert a track/file appears on the display. If you want to add a track/file to the end of the program, press the PROGRAM button repeatedly until 'P-End' briefly appears on the display.

Then select a track/file number pressing the ⏮ or ⏭ buttons and press the PROGRAM button to enter. The track/file is added to the program.

Shuffle Playback



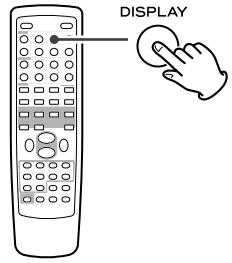
Press the SHUFFLE button in the stop or play mode.

The tracks or files will be played randomly.
'CD/Random play' or 'USB/Random play' is displayed.

- If you press the ⏭ button during shuffle playback, next track will be randomly selected and played. If you press the ⏮ button, the currently played track/file will be played from the beginning. A track/file cannot be replayed during shuffle playback.

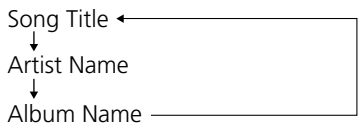
- To stop shuffle playback, press the SHUFFLE button or the STOP button (■).

Display

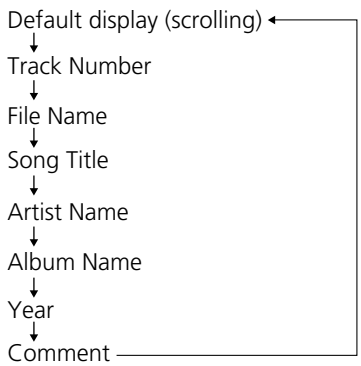


During MP3/WMA playback, press the DISPLAY button repeatedly to change what information is displayed.

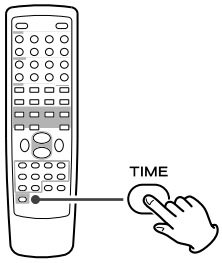
Default display (scrolling):



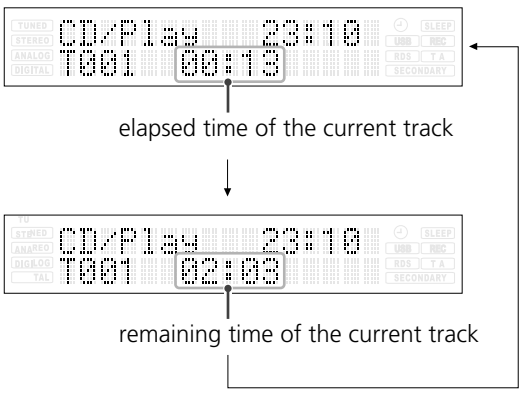
Display changes as follows:



Time Display



When playing back an audio CD, each time the TIME button is pressed the display changes as follows:



Before Recording

This unit can record musics from CDs, cassette tapes and radio, on USB memory devices, as MP3 or WMA files.

CAUTION

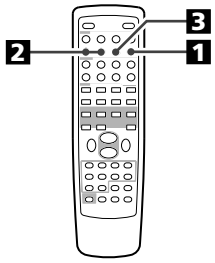
- Do not disconnect the USB storage device during recording.
  Do not disconnect the power cord during recording. It may cause damage to the products.

- Adjust the volume of the external audio source to suitable level before recording. If not, the recording quality becomes poor.

Note

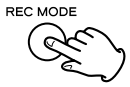
- The recorded files are saved in the AUDIO folder.
- The FILE NAME is fixed up automatically in regular sequence like 'AUDIO001.MP3', 'AUDIO002.MP3', …….
  For Example:
  If there are 'AUDIO004.MP3' and 'AUDIO009.MP3' files in the AUDIO folder, and you make a recording, a new file will be 'AUDIO010.MP3'.

Setting the Record Mode

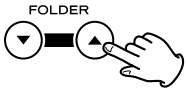


You can select the desired record mode.

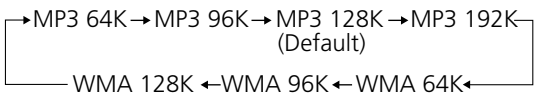
1 In USB mode, press the REC MODE button.



2 Press the FOLDER buttons (▼/▲) to select a desired recording mode.



Each time you press the FOLDER button (▼/▲), the recording mode changes as follows:

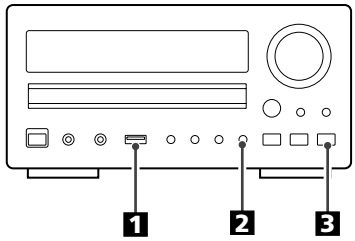


3 Within 3 seconds, press the ENTER button.

Bitrate

Value indicating the amount of data compression progress in a per second.
The higher bitrate is the larger the amount of data.
This does mean that the sound is high quality.
128Kbps/s is recommended for listening enjoyment.

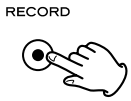
Recording to USB



You can record a source of CD, MP3/WMA disc, cassette tape, radio broadcast and external device to the external USB storage device as MP3/WMA files.

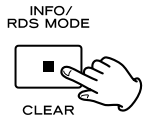
1 Connect the external USB storage device to the USB port on the front panel of the unit.

2 Press the RECORD button and recording starts.



- In CD mode, playback starts automatically.
- If you want to record the tracks in a desired order, program the tracks before recording.

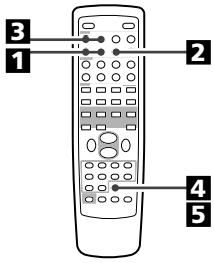
3 If you want to stop recording, press the STOP button (■).



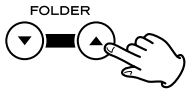
Press the STOP button (■) once more to stop playback of the disc.

You cannot record to an external storage device if there is no free space or the device is locked.

Delete a file from USB

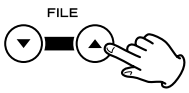


1 In the stop mode, press the FOLDER buttons (▼/▲) to select a directory.



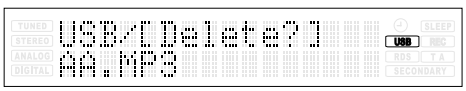
2 Press the ENTER button.

3 Press the FILE buttons (▼/▲) to select the desired file.



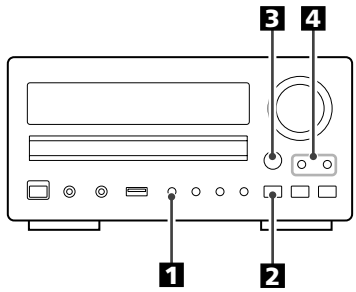
4 Press the CLEAR button for more than 4 seconds.

'Delete?' is displayed.



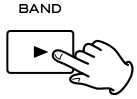
5 Within 3 seconds, press the CLEAR button again.

- The delete mode will be cancelled, if you don't press the CLEAR button within 3 seconds.



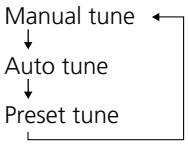
1 Press the SOURCE button repeatedly to select TUNER mode.

2 Press the BAND button to select FM or AM.



3 Press the TUNING MODE button to select 'Auto tune' mode.

Each time the TUNING MODE button is pressed, the mode is changed as follows.



4 Select the station you want to listen to (auto selection).

When a station is tuned in, the tuning process will stop automatically.
If you want to stop the tuning process, press the TUNING/PRESET/TIME button.

Selecting stations which cannot be tuned automatically (Manual tune)

Select 'Manual tune' in step **3**.
Repeatedly press the TUNING/PRESET/TIME button until the station you want to listen to is found. Or hold down the TUNING/PRESET/TIME button until the station you want to listen to is found and release the button.

FM: 50 kHz steps, AM: 9 kHz steps

- 'STEREO' is displayed when a stereo broadcast is tuned in.
- 'TUNED' is displayed when a broadcast is correctly tuned in.

FM MODE Button

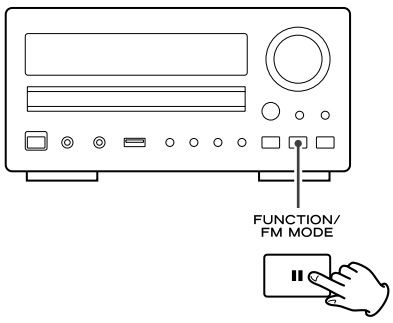
Pressing this button alternates between Stereo mode and Mono mode.

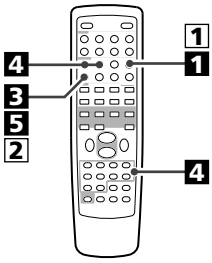
Stereo

FM stereo broadcasts are received in stereo and the STEREO indicator lights in the display.

Mono

To compensate for weak FM stereo reception, select this mode. Reception will now be forced monaural, reducing unwanted noise.





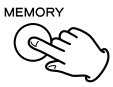
You can store up to 30 FM, 30 AM stations.

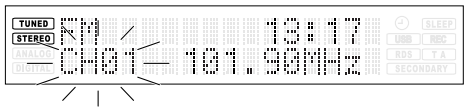
Preset Manually

1 Select AM or FM by pressing the BAND button.

2 Tune the station you would like to store.

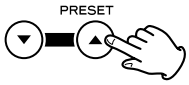
3 Press the MEMORY button.





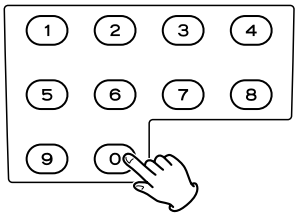
'CH01' or '01' blinks on the display.

4 Within 4 seconds, select the preset you would like to use for this station using the PRESET buttons.



You can also use the numeric buttons.

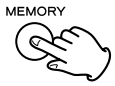
- When you use the numeric buttons, press the input selector button of the remote control first.



For instance, to select preset number 25, first press the TUNER button, and then press '2' and '5'.

To select numbers less than 10, press '0' and then the number. As an example, to select number 5, press '0' and '5'. (Optionally, you may press just the number '5' and then wait a few seconds.)

5 Within 4 seconds, press the MEMORY button.



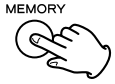
- If you don't press the MEMORY button within 4 seconds after selecting the channel, the selection will be canceled.

To store more stations, repeat steps **1** to **5**.

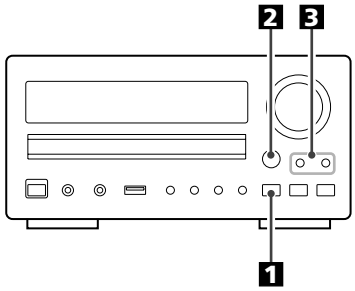
Preset Automatically

1 Select AM or FM by pressing the BAND button.

2 Press the MEMORY button for more than 3 seconds.

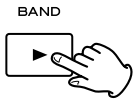


Up to 30 of the best received stations in your area will be stored automatically.



How to select preset stations

1 Select AM or FM by pressing the BAND button.

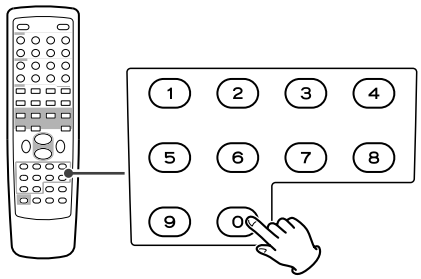


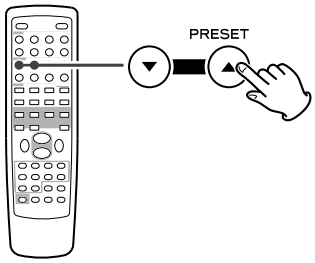
2 Select 'Preset tune' by pressing the TUNING MODE button.

3 Select a preset channel.

Press the TUNING/PRESET/TIME button repeatedly until the desired preset station is found.

- Preset channels can also be selected by the PRESET (▼/▲) buttons or the numeric buttons of the remote control.
- When you use the numeric buttons, press the input selector button of the remote control first.
- When using the remote control, you can skip step **2**.





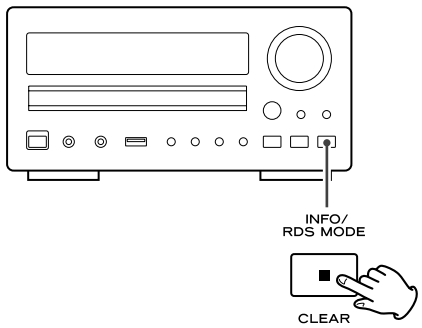
RDS

The Radio Data System (RDS) is a broadcasting service which allows stations to send additional information along with the regular radio programme signal.

RDS works on the FM waveband in Europe only.

1 Tune in an FM station (see steps 1 to 4 of page 25).

2 Press the INFO/RDS MODE button.



Each time the RDS MODE button is pressed briefly, the RDS mode is changed as follows:

Program service

When you select Program service, 'Program service' will blink for about 3 seconds and then the programme service name or a station's name will be displayed. If there is no programme service data, the frequency will be displayed.

RDS Clock time

Displays the information about times provided from the station.

When you select RDS Clock time, 'RDS Clock time' will blink for about 3 seconds and then the clock time will be displayed.

If there is no time data, 'NO CT' will be displayed.

RDS Program type

When you select RDS Program type, 'RDS Program type' will blink for about 3 seconds and then the programme type will be displayed.

RDS Radio text

When you select RDS Radio text, 'RDS Radio text' will blink for about 3 seconds and then the news of stations composed of up to 64 symbols will be displayed.

If there is no radio text data, RDS mode will be automatically switched to Program service mode.

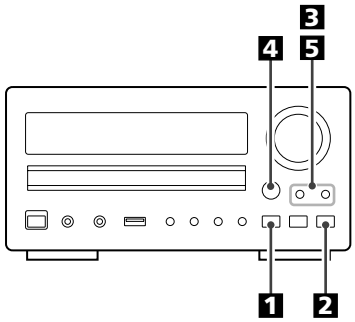
Traffic announce

When you select Traffic announce, 'Traffic announce' will blink for 3 seconds and then the unit searches for a traffic announcement.

- When a traffic programme is found, the Traffic announce mode is switched to Program service mode.

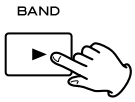
  If the station currently selected is transmitting a traffic program signal, the RDS mode will be switched to Program service mode without searching for a traffic program.

PTY Search

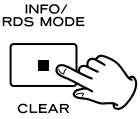


You can search for stations by programme type.

1 Select FM by pressing the BAND button.



2 Press the INFO/RDS MODE button for more than 3 seconds.



3 Select the desired PTY programme using the TUNING/PRESET/TIME buttons.

Select your desired one from among 31 kinds of PTY programmes. The programme type will blink.

4 Press the ENTER button.

The programme type stops blinking.

5 Press the TUNING/PRESET/TIME button.

Search starts.

- When the programme that you have selected is found, searching stops and the programme type will be displayed.
- If the same programme type is not found during PTY Search, it will stop at the beginning frequency.
- If you want to stop searching, press the INFO/RDS MODE button.

PTY (Programme Type)

News: brief announcements, events, public opinion, reports, actual situations.

Current Affairs: a kind of suggestion including practical announcements other than news, documents, discussion, analysis and so on.

Information: daily information or reference such as weather forecast, consumer guide, medical assistance and so on.

Sport: sports related programs.

Education: educational and cultural information.

Drama: all kinds of radio concert and serial drama.

Cultures: all aspects of national or local culture including religious events, philosophy, social science, language, theatre, and so on.

Science: programs on natural science and technology

Varied Speech: popular programs such as quiz, entertainment, private interview, comedy, satire and so on.

Pop Music: program on commercial, practical and popular songs, and sale volume of discs, etc.

Rock Music: practical modern music generally composed and played by young musicians.

Easy Listening: popular music usually lasting for less than 5 minutes.

Light Classsics M: classical music, instrumental music, chorus, and light music favored by non-professionals.

Serious Classics: orchestra including great operas, symphony, chamber music and so on.

Other Music: other music styles (Rhythm & Blues, Reggae, etc.)

Weather & Metr: weather reports, forecast

Finance: financial reports, commerce, trading

Children's Progs: children's programs

Social Affairs: social affairs

Religion: religious programs

Phone In: program in which the public expresses its view by phone.

Travel & Touring: travel reports

Leisure & Hobby: programs concerning recreational activities

Jazz Music: jazz music

Country Music: country music

National Music: national music

Oldies Music: music from the so-called golden of popular music

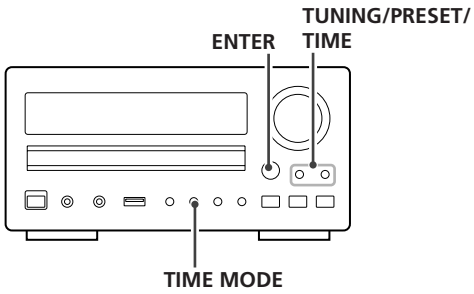
Folk Music: folk music

Documentary: documentaries

Alarm Test

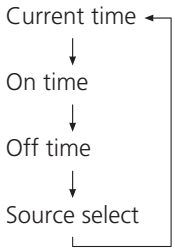
Alarm-Alarm!: a program notifying an emergency or a natural disaster.

Setting the Clock



1 Press the TIME MODE button.

Every time the TIME MODE button is pressed, the mode is changed as follows.



- The unit uses the 24-hour 'military' clock.
- When no action is taken for 1 minute, the time adjust mode will be cancelled.
- Press the STOP button to cancel the time setting.

2 Press the TUNING/PRESET/TIME buttons to set the current hour.

3 Press the ENTER button.

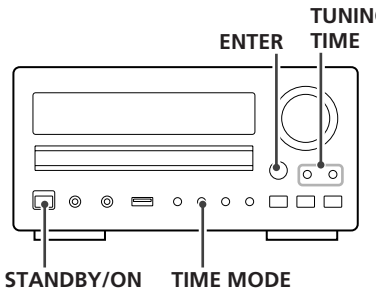
The 'minute' value blinks.

4 Press the TUNING/PRESET/TIME buttons to set the current minute.

5 Press the ENTER button.

The clock starts from 00 seconds.

Setting the Timer

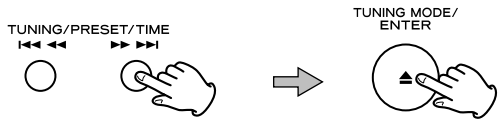


- Adjust the clock before setting the timer.
- When no action is taken for 1 minute, the timer setting mode will be cancelled.

1 Press the TIME MODE button repeatedly until 'On time' is displayed.

'On time' appears on the display, and the 'hour' value blinks.

2 Press the TUNING/PRESET/TIME buttons to set the hour value, and press the ENTER button.



The 'minute' value blinks.

3 Press the TUNING/PRESET/TIME buttons to set the minute value, and press the ENTER button.

'Off time' appears on the display, and the 'hour' value blinks.

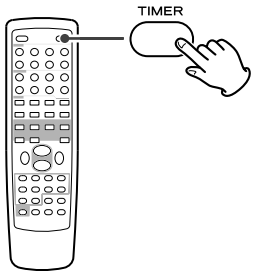
4 Repeat step 2 and 3 to set the Off time.

'Source select' appears on the display.

5 Press the TUNING/PRESET/TIME buttons to select the source, and press the ENTER button.

Now the timer setting is stored in memory.

6 Press the TIMER button on the remote control.



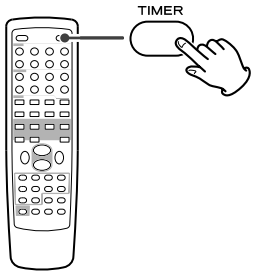
The timer indicator '⏲' lights on the display.

7 Prepare for timer operation.

Timer Playback
Adjust the volume, tune in a station, set CD, etc.

Timer Recording
You are able to set the various external USB storage devices such as USB flash memory to record program at the desired time.
Connect the external USB storage device to the unit beforehand.

Press the TIMER button on the remote control once more.



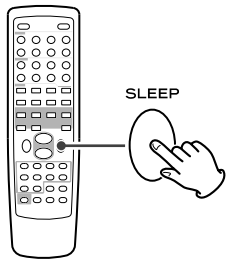
The REC indicator lights on the display.
One minute before the set time the unit turns on and recording begins at the set time.

- When you don't use timer, press the TIMER button repeatedly to turn it off until the timer indicator '⏲' disappears from the display.
  Press the TIMER button again to turn it on.

8 Press the STANDBY/ON button to turn the unit standby.

The standby indicator surrounding the STANBY/ON button blinks at interval of 4 seconds.

Sleep Timer

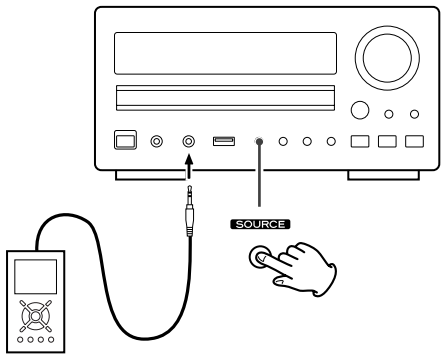


The power can be switched off after a specified amount of time.
Press the SLEEP button repeatedly until desired time appears on the display.

SLEEP-90 (80, 70 ... 10)
The power will be switched off 90 (80, 70 ... 10) minutes later.
(normal display)
The sleep timer is off.

- The display is dimmed when you set the sleep timer.
- If you want to check the remaining time, press the SLEEP button once. The remaining time will be displayed for 3 seconds, and return to the normal display.

Listening to the External Sources



You can listen to the external source such as VCR deck, MP3 player, TV or tape recorder connecting the AUX or TAPE input jack.

Press the SOURCE button repeatedly to select AUX 1, AUX 2, AUX 3 or TAPE.

When using the PHONES jack of your mini player, you must adjust the volume of the mini-player or you may hear no sound from your CR-H225.

Troubleshooting

In case of trouble with the unit, please take the time to look through this chart and see if you can solve the problem yourself before you call your dealer or TEAC service center.

Amplifier

No power

➜ Check the connection to the AC power supply.

No sound from speakers.

➜ Check the connection to the speakers.
➜ Adjust the volume.
➜ Select proper source.
➜ Pull out the headphone plug from PHONES jack.
➜ If muting is on, press the MUTING button.

The sound is noisy.

➜ The unit is too close to a TV set or similar appliances. Install the unit apart from them, or turn them off.

Remote Control Unit

Remote control doesn't work.

➜ If the batteries are exhausted, change the batteries.
➜ Use remote control unit within the range (5m) and point at the front panel.
➜ Clear obstacles between the remote control unit and the main unit.
➜ If a fluorescent light is near the unit, turn it off.

Tuner

Cannot listen to any station, or signal is too weak.

➜ Tune in the station properly.
➜ If a TV is near the unit, turn it off.
➜ Install the antenna again after locating the best reception position.
➜ An external antenna is recommended.

Though the broadcast is stereo, it sounds monaural.

➜ Press the FM MODE button.

CD Player

Cannot play.

➜ Load a disc with label side up.
➜ If the disc is dirty, clean the surface of the disc.
➜ A blank disc has been loaded. Load a prerecorded disc.
➜ Unfinalized CD-R/CD-RW disc is not playable. Finalize the disc properly.

Sound skips.

➜ Place the unit on a stable place to avoid vibration and shock.
➜ If the disc is dirty, clean the surface of the disc.
➜ Don't use scratched, damaged or warped discs.

No program playback.

➜ In the stop mode press PROGRAM button to enter the program mode, and press the PLAY button (►) to start playing.

MP3/WMA

There is no sound even if the PLAY button (►) is pressed.

➜ Check if there are MP3 or WMA files on the USB.
➜ Non-playable file formats (e.g MPEG 1 LAYER 2 file) cannot be played.

'No song title No artist No album' appears on the display.

➜ There is no ID3 tag information for the music file. Edit the song title, artist, and album information of the song on a PC using the MP3 or WMA making application.

Some unknown characters are displayed on the display panel.

➜ This unit cannot display symbols and full-size or double-byte characters (such as Japanese, Chinese, etc.) correctly. File name of MP3 or WMA should be alphanumeric characters.

If normal operation cannot be recovered, unplug the power cord from the outlet and plug it again.

Specifications

AMPLIFIER Section

Output Power . . . . .25 W/ch (6 ohms, 0.5 %,1 kHz)
Input Sensitivity . . . . . 400 mV/47 kohms
Frequency Response
20 Hz to 60,000 Hz (+1/–3 dB)

TUNER Section

FM Section

Tuning Range . . . . . 87.50 MHz to 108.00 MHz
(50 kHz steps)
Signal-to-Noise Ratio . . . . . 65 dB (Mono)
60 dB (Stereo)
Presets 30

AM Section

Tuning Range . . . . . 522 kHz to 1629 kHz
(9 kHz steps)
Signal-to-Noise Ratio . . . . . 35 dB
Presets 30

CD PLAYER Section

Frequency Response . . . 20 Hz to 20,000 Hz (±2 dB)
Signal-to-Noise Ratio . . . . . more than 95 dB
Wow and Flutter . . . . . Unmeasurable

USB Section

Playback

Frequency Response . . . 20 Hz to 20,000 Hz (±2 dB)
Signal-to-Noise Ratio . . . . . more than 85 dB

Recording

Frequency Response . . . 20 Hz to 15,000 Hz (±2 dB)
Signal-to-Noise Ratio . . . . . more than 85 dB

GENERAL

Power Requirements . . . . . 230 V AC, 50 Hz
Power Consumption . . . . . 75 W
(standby) . . . . . 1.5 W

Dimension (W x H x D) . . . . . .215 x 110 x 359 mm
Weight . . . . . .4.4 kg

Standard Accessories

Remote Control Unit (RC-1038) x 1
Batteries (AAA) x 2
AM Loop Antenna x 1
FM Lead-type Antenna x 1
Owner's Manual x 1
Warranty Card x 1

- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations may differ slightly from production models.

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This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number Serial number

0905·MA-1009A